

Remarks

The above referenced application has been reviewed in light of the Examiner's Office Action dated 17 May 2004. Claims 1-14 are pending. The Specification has been amended. Claims 1, 2, 4-5, 8 and 10-14 have been amended. Claim 6 has been canceled without prejudice. Replacement Figures 4a, 4b and 5 are submitted herein. No new matter has been added. The Examiner's reconsiderations of the rejections and objections in view of the above amendments and the following remarks are respectfully requested.

Drawing Objections:

The drawings are objected to for the reasons stated on page 2 of the Office Action.

Replacement Figures 4A, 4B and 5 are submitted herewith.

Applicants respectfully submits that the inclusion of the Replacement Figures 4A, 4B and 5 does not constitute new matter for various reasons. To begin, the priority Korean Patent Application was filed concurrently with this application and was incorporated by reference (see page 1, "Cross-Reference to Related Application"). It is believed that the Figures 4A, 4B and 5 were a part of the Korean Patent Application. Moreover, Applicants also believe that the Specification as filed fully describes what is shown in Figures 4A, 4B, and 5. For example in the "Brief Description of the Drawings" on page 6 and further described on pages 9 and 10. Thus, for at least the above reasons the Replacement Figures 4A, 4B and 5 do not constitute new matter. Accordingly withdrawal of the objection is requested.

Specification Objection:

The specification was objected to for the reason stated on page 2 of the Office Action. The abstract has been amended as per the Examiner's suggestions.

Accordingly, withdrawal of the objection is requested.

The Specification has been further amended with a replacement paragraph to correct a typographical error.

Claim Objections:

Claims 1-10 are objected to for the reasons stated on pages 2 and 3 of the Office Action. Claims 1 and 10 have been amended to address these objections. Accordingly, withdrawal of the objections are requested.

Claim Rejections 35 U.S.C. §102(e):

Claims 1-14 are rejected under 35 U.S.C. §102(e), as being unpatentable over U.S. Patent No. 6,694,461 to Treuer, hereinafter Treuer. Applicants respectfully submit that at the very minimum, Treuer fails to anticipate Claim 1 and 11.

For example, Claim 1 recites, *inter alia*, "... a data generator for producing test data based on data backgrounds associated with the address bits and a non-address bit...". Similarly Claim 11 recites, *inter alia*, "... producing test data based on data backgrounds associated with the address bits and a non-address bit...". Treuer does not disclose or suggest such claimed features.

In contrast, Treuer depicts a data generator (Fig. 5). TADR0 – TADR3 are depicted as being input into the data generation circuit. Figure 8, step 802 of Treuer recites "GENERATING A DATA VALUE FROM A FIRST DATA GENERATOR BASED UPON THE ADDRESS VALUE". However, Treuer does not teach or suggest

the use of a non-address bit with the address bits, nor the association of these bits with data backgrounds. Thus, Treuer fails to teach "...producing test data based on data backgrounds associated with the address bits and a non-address bit..." as claimed in Claims 1 and 11. Accordingly, Claims 1 and 11 are patentably distinct and not obvious in view of Treuer.

Claims 2-5 and 7-10 depend from Claim 1 and Claims 12-14 depend from claim 11. The dependent claims are patentable over Treuer for at least the same reasons given above for Claims 1 and 11.

Reconsideration and withdrawal of the rejections and an early and favorable allowance of this case is earnestly solicited.

Respectfully submitted,

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